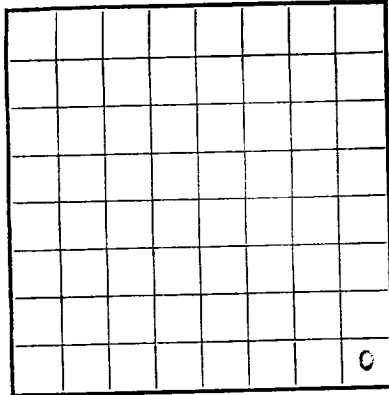
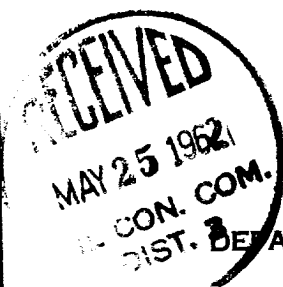




LOCATE WELL CORRECTLY

Santa Fe  
U. S. LAND OFFICE  
SERIAL NUMBER SF 077552  
LEASE OR PERMIT TO PROSPECT  
EastUNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company Aztec Oil and Gas Company Address Traver 510, Farmington, New Mex.  
Lessor or Tract East Field Basin Dakota State New Mexico  
Well No. 3 Sec. 25 T. 31N R. 17W Meridian N.M.P.M. County San Juan  
Location 190 ft. N. of S. Line and 300 ft. E. of W. Line of Section 26 Elevation 5222 G.L.  
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed ORIGINAL SIGNED BY JOE C. SALMONDate May 22, 1962Title District Superintendent

The summary on this page is for the condition of the well at above date.

Commenced drilling 4/15, 1962. Finished drilling 5/8/62, 1962.

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6870 to 6903 (G) No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

| Size casing | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Perforated |     | Purpose     |
|-------------|-----------------|------------------|------|--------|--------------|---------------------|------------|-----|-------------|
|             |                 |                  |      |        |              |                     | From—      | To— |             |
| 8 5/8       | 24              | 8                | J-55 | 1000   | one plug of  | cut at 6870         |            |     | one plug of |
| 4 1/2       | 12              | 8                | J-55 | 1000   | one plug of  | cut at 6870         |            |     | one plug of |
| 4 1/2       | 12              | 8                | J-55 | 1000   | one plug of  | cut at 6870         |            |     | one plug of |
| 2 3/8       | 4.7             | 8                | J-55 | 1000   | one plug of  | cut at 6870         |            |     | one plug of |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used  | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|--------------|-------------|--------------------|
| 8 5/8       | 306       | 225                    | displacement |             |                    |
| 4 1/2       | 7049      | 485                    | two plug     |             |                    |
| 2 3/8       | 6850      | -                      |              |             |                    |

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_

Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## SHOOTING RECORD

| Size                                                                             | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|----------------------------------------------------------------------------------|------------|----------------|----------|------|------------|-------------------|
| Sand-water fracture with 52,500 gals. water, 60,000 sand, flushed with 125 Bbls. |            |                |          |      |            |                   |
| Breakdown pr. 100, Avg. treating pr. 2600, Max. treating pr. 3000                |            |                |          |      |            |                   |
| Avg. I.R.—35.4 bbl. dropped 50 rubber ball sealers, instant shut in pr.—1300     |            |                |          |      |            |                   |

## TOOLS USED

P.B.T.D.—7017'

Rotary tools were used from 0 feet to 7049 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

\_\_\_\_\_ 5/11/62 \_\_\_\_\_, 19 \_\_\_\_\_ Put to producing \_\_\_\_\_, 19 \_\_\_\_\_

The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_ % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, °Bé. \_\_\_\_\_

If gas well, cu. ft. per 24 hours ALF—2500 Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_Rock pressure, lbs. per sq. in. 1860

## EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

## FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION      |
|-------|------|------------|----------------|
| 0     | 60   | 60         | sand           |
| 60    | 315  | 255        | sand and shale |
| 315   | 474  | 159        | sand and shale |
| 474   | 871  | 397        | sand and shale |
| 871   | 1245 | 374        | sand and shale |
| 1245  | 1487 | 242        | sand and shale |
| 1487  | 1970 | 483        | sand and shale |
| 1970  | 2359 | 389        | sand and shale |
| 2359  | 2715 | 356        | sand and shale |
| 2715  | 3060 | 372        | sand and shale |
| 3060  | 3557 | 471        | sand and shale |
| 3557  | 3849 | 292        | sand and shale |
| 3849  | 4090 | 249        | sand and shale |
| 4090  | 4326 | 226        | sand and shale |
| 4326  | 4503 | 257        | sand and shale |
| 4503  | 4840 | 257        | sand and shale |
| 4840  | 5345 | 505        | sand and shale |
| 5345  | 5502 | 157        | shale          |
| 5502  | 5768 | 266        | sand and shale |
| 5768  | 5882 | 50         | shale          |
| 5882  | 6286 | 464        | sand and shale |
| 6286  | 6423 | 137        | sand and shale |
| 6423  | 6543 | 120        | shale          |
| 6543  | 6756 | 213        | sandy shale    |

FORMATION RECORD—CONTINUED

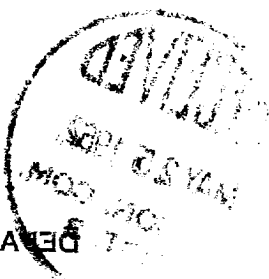
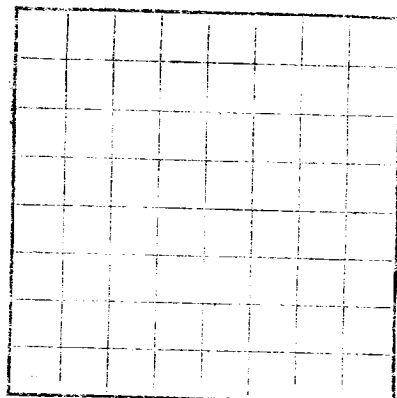
FORMATION RECORD—Continued

| FROM—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | TO—  | TOTAL FEET | FORMATION      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|----------------|
| 6736                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6861 | 125        | sand and shale |
| 6861                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6872 | 11         | sand           |
| 6872                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6928 | 56         | sand           |
| 6928                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7049 | 91         | sand and shale |
| FORMATION RECORD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |            |                |
| EMPLOYEES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |            |                |
| Driller                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |            |                |
| Driller                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |            |                |
| If gas well, gas ft. per 24 hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |            |                |
| emulsion; water; and sediment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |            |                |
| The production for the first 24 hours was                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |            |                |
| Gallons gasoline per 1,000 cu. ft. of gas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |            |                |
| Gravity, 126                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |            |                |
| barrels of fluid of which was oil; %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |            |                |
| Put to producing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |            |                |
| 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |            |                |
| DATES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |            |                |
| Cable tools were used from                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |            |                |
| feet to                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |            |                |
| Rotary tools were used from                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |            |                |
| feet to                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |            |                |
| TOOLS USED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |            |                |
| Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |            |                |
| Shell used                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |            |                |
| Expenditure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |            |                |
| Quantity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |            |                |
| Price                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |            |                |
| Depth cleared out                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |            |                |
| SHOOTING RECORD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |            |                |
| Adapters—Material                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |            |                |
| Heaving plug—Material                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |            |                |
| Plugs and Adapters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |            |                |
| Mudding and Cementing Record                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |            |                |
| Casing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |            |                |
| Mudding                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |            |                |
| Cement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |            |                |
| Mudding and Cementing Record                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |            |                |
| History of Oil or Gas Well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |            |                |
| It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing. |      |            |                |
| Casing Record                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |            |                |
| No. 1, from                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |            |                |
| No. 2, from                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |            |                |
| No. 3, from                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |            |                |
| Important Water Sands                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |            |                |
| No. 1, from                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |            |                |
| No. 2, from                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |            |                |
| No. 3, from                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |            |                |
| Oil or Gas Sands or Zones                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |            |                |
| No. 1, from                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |            |                |
| No. 2, from                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |            |                |
| No. 3, from                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |            |                |
| Commenced drilling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |            |                |
| 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |            |                |
| The summary on this page is for the condition of the well at above date                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |            |                |
| Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |            |                |
| Signed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |            |                |
| The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.                                                                                                                                                                                                                                                                                                                                                                           |      |            |                |
| Location                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |            |                |
| Well No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |            |                |
| Section                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |            |                |
| Twp.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |            |                |
| Range                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |            |                |
| County                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |            |                |
| State                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |            |                |
| Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |            |                |
| Company                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |            |                |
| Locust or Tract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |            |                |
| LOCATE WELL CORRECTLY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |            |                |

FORM 10-10-30

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



Form 10-10-30  
U. S. GEOLOGICAL SURVEY  
SERIAL 71-1000  
PLATE OF PERMIT TO PROSPECT